## ADDIONAL AAOMOA

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## ABSTRACT

A lithium secondary battery includes: an electrode body having a positive electrode, a negative electrode, and a separator, the positive electrode and the negative electrode being wound or laminated by means of the separator; and a nonaqueous electrolyte solution containing a lithium compound as electrolyte. At least one of the positive electrode, the negative electrode, the separator, the honaqueous electrolyte solution contains at least one of: (a) an organic and/or inorganic inhibitor, which functions as a Qu-corrosion inhibitor or a Cutrapping agent, (b) a compound having an organic base and an inorganic acid which are unitarily combined in a molecule, (c) a cyclic compound containing a N-O radical in a molecular structure, (d) a cyclic compound which becomes a Mn<sup>2+</sup> supplier the nonaqueous electrolyte solution, (e) containing an atom showing Lewis acidity and an atom showing Lewis basisity in one molecule, (f) a three-dimensional siloxane compound, and (g) a nonionic surfactant; or the nonaqueous electrolyte solution contains: (h) a water-extracting agent, or (i) a hydrofluoric acid-extracting agent. This lithium secondary battery exhibits an excellent effect that self-discharge property, cycle characteristics, long period stability and reliability can be planned.

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